

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/756,957
				Filing Date	2004-01-13
				First Named Inventor	MALLADI; DURGA P. et al.
				Art Unit	2617
				Examiner Name	HUYNH, NAM TRUNG
Sheet	1	of	15	Attorney Docket No: 030224	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind (if known)			
	001	US2149518	03-07-1939	FRANK SR THOMAS	
	002	US5592470	01-07-1997	RUDRAPATNA, et al.	
	003	US5774809	06-30-1998	TUUTIJARVI, et al.	
	004	US6208858	03-27-2001	ANTONIO, et al.	
	005	US6760303	07-06-2004	BROUWER; Frank	
	006	USRE38603	09-28-2004	Kim, et al.	
	007	US7289529	10-30-2007	SHERMAN; Matthew J.	
	008	US6816827	11-09-2004	XIA, et al.	
	009	US3470324	09-30-1969	HARMUTH Henning.	
	010	US5394433	02-28-1995	BANTZ; David F. et al.	
	011	US5535214	07-09-1996	SHIOBARA; Yasuhisa.	
	012	US5544156	08-06-1996	TEDER; Paul M. et al.	
	013	US5581575	12-03-1996	ZEHAVI; Ephraim. et al.	
	014	US5726978	03-10-1998	FRODIGH; Carl Magnus. et al.	
	015	US5752193	05-12-1998	SCHOLEFIELD; Christopher. et al.	
	016	US5754537	05-19-1998	JAMAL; Karim.	
	017	US5781861	07-14-1998	KANG; Chang-Soon. et al.	
	018	US5815526	09-29-1998	RICE; Bart F.	
	019	US5857174	01-05-1999	DUGAN; John W.	
	020	US5862451	01-19-1999	GRAU; Alan L. et al.	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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		Number-Kind Code ² (if known)			
	021	US5914950	06-22-1999	TIEDEMANN; Jr. Edward G. et al.	
	022	US5923650	07-13-1999	CHEN; Tao. et al.	
	023	US5956642	09-21-1999	LARSSON; Per .ANG.ke. et al.	
	024	US5966377	10-12-1999	MURAI; Hideshi.	
	025	US5966670	10-12-1999	KESKITALO; Ilkka. et al.	
	026	US5973642	10-26-1999	LI; Ye. et al.	
	027	US5991273	11-23-1999	ABU-DAYYA; Adnan.	
	028	US6005876	12-21-1999	CIMINI; Jr. Leonard Joseph. et al.	
	029	US6046980	04-04-2000	PACKER; Robert L.	
	030	US6049716	04-11-2000	JUNG; Jin-soo.	
	031	US6052594	04-18-2000	CHUANG; Justin Che-I. et al.	
	032	US6061359	05-09-2000	SCHILLING; Donald L. et al.	
	033	US6064692	05-16-2000	CHOW; Jacky S.	
	034	US6115357	09-05-2000	PACKER; Robert L. et al.	
	035	US6128882	10-10-2000	JONES; Cecil Gwilliam.	
	036	US6131016	10-10-2000	GREENSTEIN; Lawrence Joel. et al.	
	037	US6134215	10-17-2000	AGRAWAL; Avneesh. et al.	
	038	US6134218	10-17-2000	HOLDEN; Brian D.	

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		Number-Kind Code ^{2(a) (if known)}			
	039	US6144654	11-07-2000	IBANEZ-MEIER; Rodrigo. et al.	
	040	US6195552	02-27-2001	JEONG; Jin-soo. et al.	
	041	US6205129	03-20-2001	ESTEVEZ; Eduardo A. S. et al.	
	042	US6219374	04-17-2001	KIM; Seong Rag. et al.	
	043	US6222875	04-24-2001	DAHLMAN; Erik. et al.	
	044	US6233455	05-15-2001	RAMAKRISHNA; Deepa. et al.	
	045	US6335922	01-01-2002	TIEDEMANN; Jr. Edward G. et al.	
	046	US6347080	02-12-2002	JOU; Yu-Cheun. et al.	
	047	US6363255	03-26-2002	KUWAHARA; Soichi.	
	048	US6389056	05-14-2002	KANTERAKIS; Emmanuel. et al.	
	049	US6414988	07-02-2002	LING; Fuyun.	
	050	US6425105	07-23-2002	PIIRAINEN; Olli. et al.	
	051	US6490461	12-03-2002	MULLER; Walter.	
	052	US6496496	12-17-2002	RAMAKRISHNA; Deepa. et al.	
	053	US6505058	01-07-2003	WILLEY; W. Daniel.	
	054	US6532363	03-11-2003	PUSSINEN; Arto.	
	055	US6549561	04-15-2003	CRAWFORD; James A.	
	056	US6563885	05-13-2003	MAGEE; David Patrick. et al.	

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		Number-Kind Code ^{2(f) (if known)}			
	057	US6570444	05-27-2003	WRIGHT; Andrew S.	
	058	US6571101	05-27-2003	SCHULZ; Egon.	
	059	US6574205	06-03-2003	SATO; Toshifumi.	
	060	US6597913	07-22-2003	NATARAJAN; Kadathur S.	
	061	US6654609	11-25-2003	KIM; Dong-Hun.	
	062	US6680925	01-20-2004	WU; Qiang. et al.	
	063	US6701151	03-02-2004	DIACHINA; John W. et al.	
	064	US6741862	05-25-2004	CHUNG; Sae-Young. et al.	
	065	US6751264	06-15-2004	HO; Yui-Luen. et al.	
	066	US6751444	06-15-2004	MEIYAPPAN; Palaniappan.	
	067	US6757241	06-29-2004	JONES; Vincent K. et al.	
	068	US6836666	12-28-2004	GOPALAKRISHNAN; Nandu. et al.	
	069	US6847828	01-25-2005	MIYOSHI; Kenichi. et al.	
	070	US6865389	03-08-2005	LEE; Bo. et al.	
	071	US6880103	04-12-2005	KIM; Young Hwan. et al.	
	072	US6898418	05-24-2005	RAUSCHMAYER; Dennis.	
	073	US6904286	06-07-2005	DANTU; Ramanamurthy.	
	074	US6917581	07-12-2005	PROCTOR; Jr. James A. et al.	
	075	US6982946	01-03-2006	WIBERG; Niclas. et al.	
	076	US6987798	01-17-2006	AHN; Seong-Woo. et al.	

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		Number-Kind Code ² (if known)			
	077	US7006429	02-28-2006	YOSHIDA; Makoto. et al.	
	078	US7012912	03-14-2006	NAGUIB; Ayman Fawzy. et al.	
	079	US7016651	03-21-2006	NARASIMHAN; Ravi.	
	080	US7031741	04-18-2006	LEE; Young Jo. et al.	
	081	US7050406	05-23-2006	HSU; Liangchi. et al.	
	082	US7054275	05-30-2006	KIM; Dae-Gyun. et al.	
	083	US7068702	06-27-2006	CHEN; Hung-Kun. et al.	
	084	US7069038	06-27-2006	HAKKINEN; Hannu. et al.	
	085	US7076001	07-11-2006	BEADLE; Edward R. et al.	
	086	US7099397	08-29-2006	LEE; Goon Seop. et al.	
	087	US7103021	09-05-2006	JOU; Yu-Cheun.	
	088	US7155236	12-26-2006	CHEN; Tao. et al.	
	089	US7158504	01-02-2007	KADABA; Srinivas R. et al.	
	090	US7164669	01-16-2007	LI; Xiaodong. et al.	
	091	US7187646	03-06-2007	SCHRAMM; Peter.	
	092	US7197085	03-27-2007	VELLA-COLEIRO; George P.	
	093	US7277709	10-02-2007	VADGAMA; Sunil Keshavji.	
	094	US7286558	10-23-2007	KIM; Youn-Sun. et al.	
	095	US7286846	10-23-2007	CHEN; Tao. et al.	
	096	US7313167	12-25-2007	YOON; Young C. et al.	

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	097	US7317711	01-08-2008	BAE; Beom-Sik. et al.	
	098	US7327716	02-05-2008	FONG; Mo-Han. et al.	
	099	US7336640	02-26-2008	MCDONOUGH; John G. et al.	
	0100	US7336954	02-26-2008	WANG; Jun. et al.	
	0101	US7423992	09-09-2008	IWAMURA; Ryuichi.	
	0102	US7447258	11-04-2008	PIETILA; Samuli. et al.	
	0103	US7447287	11-04-2008	PARANTAINEN; Janne.	
	0104	US7463702	12-09-2008	AMMER; Gerhard. et al.	
	0105	US7660282	02-09-2010	SARKAR; Sandip.	
	0106	US20030083069	05-01-2003	VADGAMA, Sunil Keshavji	
	0107	US20040013102	01-22-2004	FONG, Mo-Han; et al.	
	0108	US20050254465	11-17-2005	LUNDBY, Stein A. et al.	
	0109	US20020067774	06-06-2002	RAZOUMOV, Leonid et al.	
	0110	US20020154610	10-24-2002	TIEDEMANN, Edward G. JR. et al.	
	0111	US20020021683	02-21-2002	HOLTZMAN; Jack. et al.	
	0112	US20020051432	05-02-2002	SHIN; Yeong Jong.	
	0113	US20020067774	06-06-2002	RAZOUMOV; Leonid. et al.	
	0114	US20020111183	08-15-2002	LUNDBY; Stein A.	
	0115	US20020131522	09-19-2002	FELGENTREFF; Tilman.	
	0116	US20020137521	09-26-2002	KIM; Min-Goo. et al.	

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	0118	US20020154610	10-24-2002	TIEDEMANN; Edward G. JR. et al.	
	0119	US20020160767	10-31-2002	HANLY; Stephen Vaughan.	
	0120	US20020172192	11-21-2002	HUNZINGER; Jason F. et al.	
	0121	US20020183039	12-05-2002	PADGETT; Jay. et al.	
	0122	US20020191677	12-19-2002	CHEN; Hung-Kun. et al.	
	0123	US20030039317	02-27-2003	TAYLOR; Douglas Hamilton. et al.	
	0124	US20030050084	03-13-2003	DAMNJANOVIC; Aleksandar. et al.	
	0125	US20030081538	05-01-2003	WALTON; Jay R. et al.	
	0126	US20030129981	07-10-2003	KIM; Hye Ock.	
	0127	US20030137953	07-24-2003	CHAE; Chan-Byoung. et al.	
	0128	US20030161340	08-28-2003	SHERMAN; Matthew J.	
	0129	US20030219037	11-27-2003	TOSKALA; Antti. et al.	
	0130	US20040101035	05-27-2004	BOER; Jan. et al.	
	0131	US20040160922	08-19-2004	NANDA; Sanjiv. et al.	
	0132	US20040160933	08-19-2004	ODENWALDER; Joseph P. et al.	
	0133	US20040162098	08-19-2004	WEI; Yongbin. et al.	
	0134	US20040203973	10-14-2004	KHAN; Farooq Ullah.	
	0135	US20040224711	11-11-2004	PANCHAL; Rajendra A. et al.	

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				Application Number	10/756,957
				Filing Date	2004-01-13
				First Named Inventor	MALLADI; DURGA P. et al.
				Art Unit	2617
				Examiner Name	HUYNH, NAM TRUNG
Sheet	8	of	15	Attorney Docket No: 030224	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	0136	US20040228349	11-18-2004	VRZIC; Sophie. et al.	
	0137	US20040228389	11-18-2004	ODENWALDER; Joseph P.	
	0138	US20050002324	01-06-2005	SUTIVONG; Arak. et al.	
	0139	US20050004970	01-06-2005	JAIN; Avinash. et al.	
	0140	US20050176456	08-11-2005	CHEN; Tao. et al.	
	0141	US20060007892	01-12-2006	SUDO; Hiroaki;.	
	0142	US20060019701	01-26-2006	Ji; Tingfang	
	0143	US20060128410	06-15-2006	DERRYBERRY; Thomas R.;et al.	
	0144	US20060165126	07-27-2006	PETERSSON; Justus;. et al.	
	0145	US20060215737	09-28-2006	BANG; Seung-Chan;et al.	
	0146	US20060264220	11-23-2006	CHEN; Tao;. et al.	
	0147	US20080043683	02-21-2008	KWON; Hwan-Joon; et al.	
	0148	US20080194286	08-14-2008	CHEN; Tao;.et al.	
	0149	US20020136271	09-26-2002	HIRAMATSU, et al.	

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				Art Unit		2617
Examiner Name		HUYNH, NAM TRUNG				
Sheet	9	of	15	Attorney Docket No: 030224		

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	0150	WO02041531A2	05-23-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	0151	CN1263675	08-16-2000	QUALCOMM INC [US]		<input type="checkbox"/>
	0152	JP200277984	03-15-2002	TOSHIBA CORP.		<input type="checkbox"/>
	0153	CN1166094	11-26-1997	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
	0154	EP0627827A2	12-07-1994	CSELT CENTRO STUDI LAB TELECOM [IT], et al.		<input type="checkbox"/>
	0155	EP0783210A2	07-09-1997	NEC CORP [JP]		<input type="checkbox"/>
	0156	EP0809364A2	11-26-1997	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
	0157	EP0921652A2	06-09-1999	KOREA ELECTRONICS TELECOMM [KR]		<input type="checkbox"/>
	0158	EP1231807A2	08-14-2002	LG ELECTRONICS INC [KR]		<input type="checkbox"/>
	0159	EP1236471A2	09-04-2002	ALCON LAB INC [US]		<input type="checkbox"/>
	0160	EP1257140A1	11-13-2002	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	0161	EP1292057A1	03-12-2003	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
	0162	GB2301687A	12-11-1996	DSC COMMUNICATIONS [US]		<input type="checkbox"/>
	0163	GB2352944A	02-07-2001	KOREA ELECTRONICS TELECOMM [KR]		<input type="checkbox"/>
	0164	JP10013325A	01-16-1998	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0165	JP11154919A	06-08-1999	SONY INT EUROP GMBH.		<input type="checkbox"/>

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First Named Inventor		MALLADI; DURGA P. et al.			
Art Unit		2617			
Examiner Name		HUYNH, NAM TRUNG			
Sheet	10	of	15	Attorney Docket No: 030224	

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		Country Code ³ Number ² Kind Code ² (if known)				
	0166	JP11508417T	07-21-1999	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0167	JP2000299680A	10-24-2000	LUCENT TECHNOLOGIES INC.		<input type="checkbox"/>
	0168	JP2001036500A	02-09-2001	SHARP KK.		<input type="checkbox"/>
	0169	JP2001238269A	08-31-2001	KDDI CORP.		<input type="checkbox"/>
	0170	JP2001515300T	09-18-2001	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0171	JP2002159061A	05-31-2002	YRP MOBILE TELECOMM KEY TECH R. et al.		<input type="checkbox"/>
	0172	JP2002522988T	07-23-2002	SAMSUNG ELECTRONICS CO., LTD.		<input type="checkbox"/>
	0173	JP2003008521A	01-10-2003	FUJITSU LTD.		<input type="checkbox"/>
	0174	JP2003060606A	02-28-2003	HITACHI INT ELECTRIC INC.		<input type="checkbox"/>
	0175	JP2003060609A	02-28-2003	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
	0176	JP2003069523A	03-07-2003	TOYO COMMUNICATION EQUIP.		<input type="checkbox"/>
	0177	JP2004032518A	01-29-2004	SONY CORP.		<input type="checkbox"/>
	0178	JP2004320679A	11-11-2004	NAT INST INF &mp. et al.		<input type="checkbox"/>
	0179	JP2008072733A	03-27-2008	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0180	JP08298498A	12-11-1996	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
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	0182	RU2073913C1	02-20-1997	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>

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Sheet	11	of	15	Attorney Docket No: 030224	

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	0183	RU2111619C1	05-20-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0184	RU2115246C1	07-10-1998	VOENNAJA AKADEMIJA SVJAZI.		<input type="checkbox"/>
	0185	RU2120198C1	10-10-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0186	RU2149518C1	05-20-2000	EHRIKSSON INK [US].		<input type="checkbox"/>
	0187	RU2183910C2	06-20-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0188	RU2189696C2	09-20-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0189	WO0008869A2	02-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0190	WO0042752A1	07-20-2000	SONY ELECTRONICS INC [US].		<input type="checkbox"/>
	0191	WO0048328A1	08-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0192	WO0065743A1	11-02-2000	NOKIA MOBILE PHONES LTD [FI]. et al.		<input type="checkbox"/>
	0193	WO0072622A1	11-30-2000	QUALCOMM INC [US].		<input type="checkbox"/>
	0194	WO0110159A1	02-08-2001	HOTTINEN ARI [FI]. et al.		<input type="checkbox"/>
	0195	WO0124568A1	04-05-2001	QUALCOMM INC [US].		<input type="checkbox"/>
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	0198	WO03084163A1	10-09-2003	INTEL CORP [US]. et al.		<input type="checkbox"/>
	0199	WO2005015942A1	02-17-2005	QUALCOMM INC [US]. et al.		<input type="checkbox"/>
	0200	WO9205556A1	04-02-1992	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>

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Sheet	12	of	15	Attorney Docket No: 030224	

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	0201	WO9510144A1	04-13-1995	TELIA AB [SE]. et al.		<input type="checkbox"/>
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	0203	WO9701256A1	01-09-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0204	WO9733399A1	09-12-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
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	0207	WO9912282A1	03-11-1999	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0208	WO9929054A1	06-10-1999	GOLDEN BRIDGE TECH INC [US].		<input type="checkbox"/>
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	0213	JP2002-026808	01-25-2002	MATSUSHITA ELECTRIC IND CO LTD		
	0214	JP2002-232943	08-16-2002	SONY CORP		
	0215	JP2005-505955	02-24-2005	QUALCOMM INCORPORATED		

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	0216	TIA EIA Interim Standard IS-856-1, 'CDMA 2000 High Rate Packet Data Air Interface Specification. Addendum "I," January 2002. Pages 9-23 - 9-57, XP002299790.			
	0217	"Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems," TIA/EIA Interim Standard, February 3, 1999, XP002145331, pp. 6-380, 6 (TIA/EIA-95-B).			
	0218	"The cdma2000 ITU-R RTT Candidate Submission (0.18)," Telecommunications Industry Association TIA, July 27, 1998, XP002294165, pp. 1-145.			
	0219	"Universal Mobile Telecommunications System (UMTS): Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 5.3.0 Release 5)," ETSI TS 125 211 v 5.3.0 (2002-12), December 2002, Pages 1-52.			
	0220	3G TS 25.211 "Physical channels and mapping of transport channels onto physical channels (FDD)", Release 5, V5.0.0, March 2002.			
	0221	3G TS 25.212 "Multiplexing and channel coding (FDD)", Release 5, V5.0.0, March 2002.			
	0222	3G TS 25.213 "Spreading and modulation (FDD)", Release 5, V5.0.0, March 2002.			
	0223	3G TS 25.214 "Physical layer procedures (FDD)", Release 5, V5.0.0, March 2002.			
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				Application Number		10/756,957
				Filing Date		2004-01-13
				First Named Inventor		MALLADI; DURGA P. et al.
				Art Unit		2617
Examiner Name		HUYNH, NAM TRUNG				
Sheet	14	of	15	Attorney Docket No: 030224		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T2
		USA IEEE.			
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